

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted With Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	STL11284
First Named Inventor	Ching Tong Sim
COMPLETE IF KNOWN	
Application Number	
Filing Date	Herewith
Art Unit	Unknown
Examiner Name	Unknown

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**AUTOMATIC OPTICAL INSPECTION OF COMPONENTS USING A SHADOW PROJECTION
THRESHOLD FOR A DATA STORAGE DEVICE**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [] as United States Application Number or PCT International

Application Number [] and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

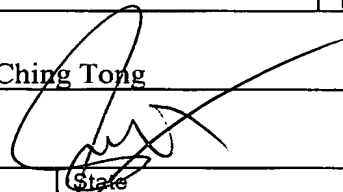
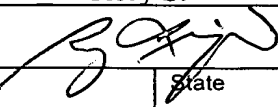
☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECLARATION — Utility or Design Patent Application

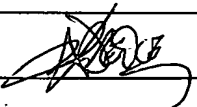
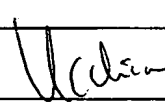
Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>		OR <input checked="" type="checkbox"/> Correspondence address below
Name Mitchell K. McCarthy, Seagate Technology LLC		
Address Intellectual Property - OKM178 10321 West Reno		
City Oklahoma City	State OK	ZIP 73127-7140
Country US	Telephone 405-577-7239	Fax 405-324-4118
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.		
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor
Given Name (first and middle [if any]) Ching Tong		Family Name or Surname Sim
Inventor's Signature 		Date 9/1/04
Residence: City Singapore	State Singapore	Country Singapore
Mailing Address Blk 267, Tampines St. 21, #03-67		Citizenship Malaysian
City Singapore	State Singapore	ZIP 520267
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor
Given Name (first and middle [if any]) Rory S.		Family Name or Surname Limqueco
Inventor's Signature 		Date 9/1/04
Residence: City Singapore	State Singapore	Country Singapore
Mailing Address Blk 210, Yishun St. 21, #03-47		Citizenship Filipino
City Singapore	State Singapore	ZIP 760210
Country Singapore		
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>1</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Jee Suan		Kwok	
Inventor's Signature 		Date 17 DEC 2003	
Residence: City Singapore	State	Country Singapore	Citizenship Singaporean
Mailing Address Blk 374, Tampines St. 34, #09-46			
Mailing Address			
City Singapore	State	Zip 520374	Country Singapore
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
YewChoon		Chia	
Inventor's Signature 		Date 17 DEC 2003	
Residence: City Singapore	State	Country Singapore	Singaporean Citizenship
Mailing Address 16, Sixth Crescent			
Mailing Address			
City Singapore	State	Zip 276433	Country Singapore
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Express Mail Receipt No. ER441434736US
Deposited on January 23, 2004

PATENT
DKT. STL11284

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Ching Tong Sim et al.		
Serial No.:	Not yet assigned	Examiner:	Unknown
Filed:	Herewith	Group Art Unit:	Unknown
Title:	AUTOMATIC OPTICAL INSPECTION OF COMPONENTS USING A SHADOW PROJECTION THRESHOLD FOR A DATA STORAGE DEVICE		
Docket:	STL11284		

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCAION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified application,

REVOCAION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given are hereby revoked and

NEW POWER OF ATTORNEY

the following practitioners/patent agent are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Members of the firm of Fellers, Snider, Blankenship, Bailey & Tippens, P.C.

Randall K. McCarthy, Registration No. 39,297	Terry L. Watt, Registration No. 42,214
Bill D. McCarthy, Registration No. 26,772	Scott R. Zingerman, Registration No. 35,422
Daniel P. Dooley, Registration No. 46,369	Fred H. Holmes, Registration No. 43,677
R. Alan Weeks, Registration No. 36,050	James F. Lea, III, Registration No. 41,143
Dennis D. Brown, Registration No. 33,559	

In addition, the undersigned appoints

Derek J. Berger, Registration No. 45,401	Paul T. Dietz, Registration No. 38,858
David K. Lucente, Registration No. 36,202	Carol I. Bordas, Registration No. 37,284
Kirk A. Cesari, Registration No. 47,479	Joseph F. Villella, Jr., Registration No. 30,599
Jennifer M. Buenzow, Registration No. 50,124	Jesus Del Castillo, Registration No. 51,604
Mitchell K. McCarthy, Registration No. 38,794	Brendan Hanley, Registration No. 52,429
Raghunath S. Minisandram, Registration No. 38,683	

and of Seagate Technology LLC as attorneys and/or patent agents with the full power to represent the Applicant in connection with this application.

CHANGE OF ATTORNEY'S/AGENT'S ADDRESS IN APPLICATION

Seagate Technology LLC
Intellectual Property – OKM178
10321 West Reno
Oklahoma City, OK 73127-7140
Telephone No.: (405) 577-7239
Fax No.: (405) 324-4118

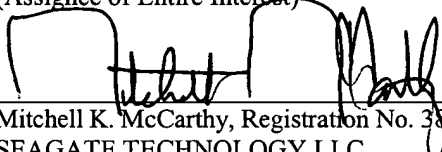
STATEMENT UNDER 37 CFR 3.73(b)

Seagate Technology LLC states that it is the Assignee of Entire Interest in the patent application/patent identified above by virtue of an Assignment from the inventor(s) of the patent application/patent identified above. A copy of the Assignment is attached and/or was recorded in the Patent and Trademark Office at Reel , Frame . The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC
(Assignee of Entire Interest)

1/20/2014
Date



Mitchell K. McCarthy, Registration No. 38,794
SEAGATE TECHNOLOGY LLC
Intellectual Property Dept. – OKM178
10321 West Reno
Oklahoma City, OK 73127-7140
(405) 577-7239 (telephone)
(405) 324-4118 (facsimile)

COPY

ASSIGNMENT

Express Mail Receipt No. ER441434736US
Deposited on January 23, 2004

Dkt. STL11284

WHEREAS, I/we, Ching Tong Sim of Blk 267, Tampines St. 21, #03-67, Singapore 520267; Rory S. Limqueco of Blk 210, Yishun St. 21, #03-47, Singapore 760210; Jee Suan Kwok of Blk 374, Tampines St. 34, #09-46, Singapore 520374; and Yew Choon Chia of 16, Sixth Crescent, Singapore 276433 are the inventor(s) of an invention entitled AUTOMATIC OPTICAL INSPECTION OF COMPONENTS USING A SHADOW PROJECTION THRESHOLD FOR A DATA STORAGE DEVICE that is the subject matter of: (check all that apply)

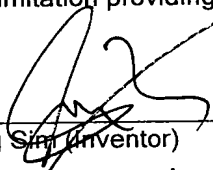
9 provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed _____;
#an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed herewith; and
9 an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ and filed on _____; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified applications, all provisional applications for which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

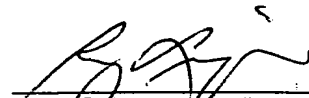
I/We represent to the Assignee, its successors and assigns, that I/We have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.


Ching Tong Sim (Inventor)

As witnessed by me at Singapore, this 12 day of December, 2003.



Witness

Ho Szeow Kuan 12/12/2003.




Rory S. Limqueco (Inventor)

As witnessed by me at Singapore, this 17 day of Dec, 2003.

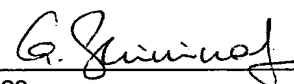


Witness Garrepally Srinivas.



Jee Suan Kwok (Inventor)

As witnessed by me at Singapore, this 17 day of Dec, 2003.




Witness Garrepally Srinivas



YewChoon Chia (Inventor)

As witnessed by me at Singapore, this 17 day of Dec, 2003.



Witness Garrepally Srinivas